

SN. 10/624,426

ATTORNEY DOCKET NO. FUJI:266

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A color-converting/filter substrate, comprising:

a transparent supporting substrate;

color-converting/filter layers of a single type or a plurality of types that are arranged on said supporting substrate and that each comprise a photopolymerizable resin film of thickness at least 5 μ m ~~containing at least one fluorescent colorant formed in a desired pattern~~ containing at least one fluorescent colorant formed in a desired pattern;

a polymeric film layer that covers said color-converting/filter layers and is formed so as to be transparent and flat; and

a transparent inorganic film layer that is formed on said polymeric film layer;

wherein said inorganic film layer is a laminate of one or a plurality of metallic film(s), and one or a plurality of insulating film(s), each of said plurality of insulating films containing at least one of Si and Al and at least one of O and N.

2. (Original) The color-converting/filter substrate according to claim 1, wherein said metallic film(s) each comprise a metal selected from the group consisting of Ag, Al, Au, Cr, Cu, In, Mo, Ni, Pt, Rh, Ru, W, Zn, and alloys thereof.

3. (Currently amended) A color-converting/filter substrate, comprising:

a transparent supporting substrate;

color-converting/filter layers of a single type or a plurality of types that are arranged on said supporting substrate and that each comprise a photopolymerizable resin film of thickness at least 5 μ m ~~containing at least one fluorescent colorant formed~~

SN. 10/624,426

ATTORNEY DOCKET NO. FUJI:266

~~in a desired pattern~~ containing at least one fluorescent colorant formed in a desired pattern;

a polymeric film layer that covers said color-converting/filter layers and is formed so as to be transparent and flat; and

a transparent inorganic film layer that is formed on said polymeric film layer;

wherein said inorganic film layer is a laminate of one or a plurality of electrically conductive metal oxide film(s) each containing at least one of In, Sn and Zn, and one or a plurality of insulating film(s) each containing at least one of Si and Al and at least one of O and N.

4. (Currently amended) A multi-color organic EL display panel, having the ~~color-converting/filter substrate according to any of claims 1 through 3~~ color-converting/filter substrate according to any of claims 1 through 3.

5. (Original) A method of manufacturing a color-converting/filter substrate, comprising:

forming, on a transparent supporting substrate, color-converting/filter layers of a single type or a plurality of types that each comprise a photopolymerizable resin film of thickness at least 5 μ m containing at least one fluorescent colorant and have a desired pattern;

forming a flat, transparent polymeric film layer covering said color-converting/filter layers;

forming, using a sputtering method, a metallic film, or a metal oxide film containing at least one of In, Sn and Zn; and

forming an insulating film containing at least one of Si and Al and at least one of O and N.

SN. 10/624,426

ATTORNEY DOCKET NO. FUJI:266

6. (Original) A method of manufacturing a multi-color organic EL display panel, comprising:

forming, on a transparent supporting substrate, color-converting/filter layers of a single type or a plurality of types that each comprise a photopolymerizable resin film of thickness at least 5 μ m containing at least one fluorescent colorant and have a desired pattern;

forming a flat, transparent polymeric film layer covering said color-converting/filter layers;

forming, using a sputtering method, a metallic film, or a metal oxide film containing at least one of In, Sn and Zn;

forming an insulating film containing at least one of Si and Al and at least one of O and N;

forming a first electrode layer;

forming an organic light-emitting layer; and

forming a second electrode layer.

7. (New) A multi-color organic EL display panel, comprising:

a transparent supporting substrate,

color-converting/filter layers on said substrate that are of a single type or a plurality of types and that each comprise a photopolymerizable resin film of thickness at least 5 μ m containing at least one fluorescent colorant and have a desired pattern;

a flat, transparent polymeric film layer covering said color-converting/filter layers;

a laminate of layers covering said polymeric film layer, said laminate comprising at least one metallic film or metal oxide film layer containing at least one of In, Sn and

SN. 10/624,426

ATTORNEY DOCKET NO. FUJI:266

Zn and at least one insulating film containing at least one of Si and Al and at least one of O and N;

a first electrode layer overlying said laminate of layers;

an organic light-emitting layer overlying said first electrode layer; and

a second electrode layer overlying said organic light-emitting layer.

8. (New) A multi-color organic EL display panel according to claim 7, wherein said first electrode layer is patterned.

9. (New) A multi-color organic EL display panel according to claim 7, comprising a single first electrode layer and a patterned second electrode layer.

10. (New) A multi-color organic EL display panel according to claim 7, wherein said second electrode is patterned.

11. (New) A multi-color organic EL display panel according to claim 7, comprising a patterned first electrode layer and a single second electrode layer.

12. (New) A multi-color organic EL display panel according to claim 7, wherein said first and second electrode layer are patterned.

13. (New) A multi-color organic EL display panel according to claim 7, wherein said first electrode layer is patterned to correspond to the pattern of the color-converting layer.

14. (New) The color-converting/filter substrate according to claim 1, wherein said laminate comprises a plurality of electrically conductive metal oxide films that alternate with a plurality of insulating films.

15. (New) The color-converting/filter substrate according to claim 3, wherein said laminate comprises a plurality of electrically conductive metal oxide films that alternate with a plurality of insulating films.

SN. 10/624,426

ATTORNEY DOCKET NO. FUJI:266

16. (New) The color-converting/filter substrate according to claim 7, wherein said metallic film(s) each comprise a metal selected from the group consisting of Ag, Al, Au, Cr, Cu, In, Mo, Ni, Pt, Rh, Ru, W, Zn, and alloys thereof.

17. (New) A multi-color organic EL display panel according to claim 7, wherein said metallic film(s) each comprise a metal selected from the group consisting of Ag, Al, Au, Cr, Cu, In, Mo, Ni, Pt, Rh, Ru, W, Zn, and alloys thereof.

18. (New) A multi-color organic EL display panel according to claim 7, wherein said inorganic film layer is a laminate of a plurality of electrically conductive metal oxide film(s) each containing at least one of In, Sn and Zn, and one or a plurality of insulating film(s) each containing at least one of Si and Al and at least one of O and N.

19. (New) A method of manufacturing a multi-color organic EL display panel, comprising:

forming, on a transparent supporting substrate, color-converting/filter layers of a single type or a plurality of types that each comprise a photopolymerizable resin film of thickness at least 5 μ m containing at least one fluorescent colorant and have a desired pattern;

forming a flat, transparent polymeric film layer covering said color-converting/filter layers;

forming a laminate comprising a plurality of sputtered metallic or metal oxide films containing at least one of In, Sn and Zn alternately laminated with a plurality of insulating films containing at least one of Si and Al and at least one of O and N;

forming a first electrode layer;

forming an organic light-emitting layer; and

forming a second electrode layer.